



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 12321621
SAU: MSAD 38
School: Etna-Dixmont School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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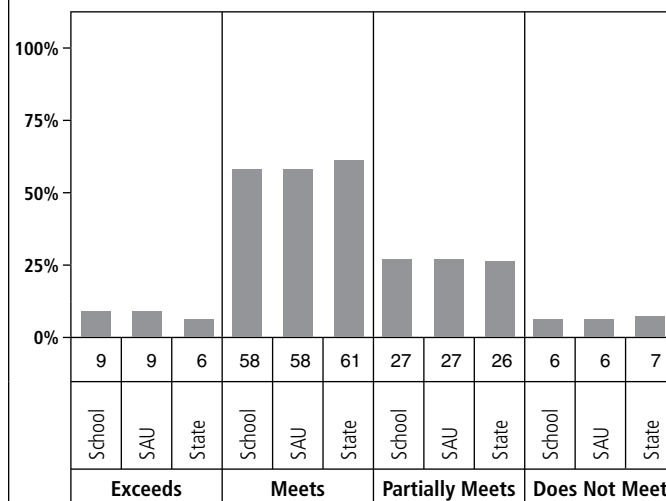
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: MSAD 38
School: Etna-Dixmont School

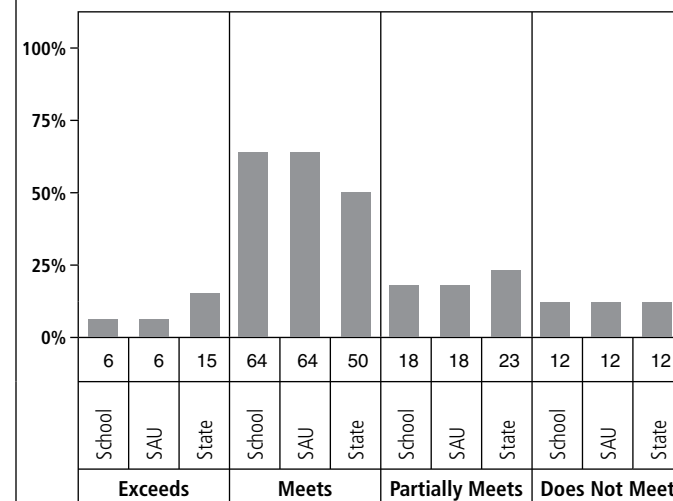
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	543	543	544
2007–2008	543	543	545
2008–2009	546	546	546
Cum. Avg.*	544	544	545
Mathematics			
2006–2007	536	536	546
2007–2008	542	542	546
2008–2009	546	546	547
Cum. Avg.*	541	541	546
Science			
2008–2009 **	546	546	543

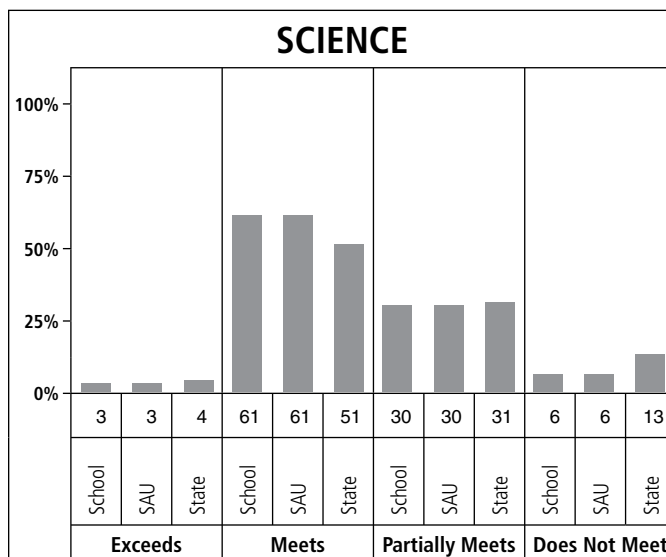
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: MSAD 38
School: Etna-Dixmont School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	34	100	34	100	14212	100	34	100	34	100	14135	100	34	100	34	100	14144	100	34	100	34	100	14137	100
Ethnicity African American/Black	0	0	0	0	397	3	0	0	0	0	388	98	0	0	0	0	393	99	0	0	0	0	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	0	0	0	0	259	2	0	0	0	0	253	98	0	0	0	0	258	100	0	0	0	0	257	99
Hispanic	0	0	0	0	175	1	0	0	0	0	172	99	0	0	0	0	172	99	0	0	0	0	173	99
Caucasian/White	34	100	34	100	13271	93	34	100	34	100	13212	100	34	100	34	100	13211	100	34	100	34	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	3	9	3	9	2479	17	3	100	3	100	2454	100	3	100	3	100	2455	100	3	100	3	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	17	50	17	50	5848	41	17	100	17	100	5815	100	17	100	17	100	5819	100	17	100	17	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	31	91	31	91	10849	76	31	91	31	91	10872	76	31	91	31	91	10976	77
Identified disability (PET/IEP)	0	0	0	0	298	3	0	0	0	0	307	3	0	0	0	0	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	1	3	1	3	123	1	1	3	1	3	121	1	1	3	1	3	126	1
Participation with accommodations	2	6	2	6	3122	22	2	6	2	6	3124	22	2	6	2	6	3019	21
Identified disability (PET/IEP)	2	100	2	100	1992	64	2	100	2	100	2000	64	2	100	2	100	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	0	0	0	0	907	29	0	0	0	0	886	28	0	0	0	0	826	27
Participation through alternate assessment (PAAP)	1	3	1	3	164	1	1	3	1	3	148	1	1	3	1	3	142	1
Identified disability (PET/IEP)	1	100	1	100	164	100	1	100	1	100	148	100	1	100	1	100	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	0	0	0	0	58	0	0	0	0	0	49	0	0	0	0	0	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 38
School: Etna-Dixmont School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	1	3	1	3	702	5
	2007-2008	0	0	0	0	659	5
	2008-2009	3	9	3	9	836	6
	Cum. Total*	4	4	4	4	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	20	61	20	61	7730	55
	2007-2008	19	59	19	59	8195	58
	2008-2009	19	58	19	58	8495	61
	Cum. Total*	58	59	58	59	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	7	21	7	21	4182	30
	2007-2008	8	25	8	25	3800	27
	2008-2009	9	27	9	27	3667	26
	Cum. Total*	24	24	24	24	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	5	15	5	15	1419	10
	2007-2008	5	16	5	16	1362	10
	2008-2009	2	6	2	6	973	7
	Cum. Total*	12	12	12	12	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	31.4	65.4	31.4	65.4	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	15.3	63.8	15.3	63.8	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	16.1	67.1	16.1	67.1	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 38
School: Etna-Dixmont School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	33	3	9	19	58	9	27	2	6	546	33	9	58	27	6	546	13971	6	61	26	7	546
Ethnicity																						
African American/Black	0										0						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	0										0						252	11	58	21	11	547
Hispanic	0										0						166	4	54	32	10	543
Caucasian/White	33	3	9	19	58	9	27	2	6	546	33	9	58	27	6	546	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2290	0	29	47	23	537
No	31	3	10	18	58	8	26	2	6	547	31	10	58	26	6	547	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	33	3	9	19	58	9	27	2	6	546	33	9	58	27	6	546	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	16	0	0	9	56	6	38	1	6	544	16	0	56	38	6	544	5716	2	51	35	12	542
No	17	3	18	10	59	3	18	1	6	548	17	18	59	18	6	548	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	33	3	9	19	58	9	27	2	6	546	33	9	58	27	6	546	13963	6	61	26	7	546
Gender																						
Female	18	1	6	13	72	3	17	1	6	548	18	6	72	17	6	548	6882	8	62	24	6	547
Male	15	2	13	6	40	6	40	1	7	545	15	13	40	40	7	545	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										3						1914	1	41	44	14	540
No	30	3	10	18	60	7	23	2	7	547	30	10	60	23	7	547	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										0						450	26	72	2	0	557
No	33	3	9	19	58	9	27	2	6	546	33	9	58	27	6	546	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 38
School: Etna-Dixmont School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						4	2	40	34	24	540
B. less than one hour	72	1	4	15	65	6	26	1	4	547	72	4	65	26	4	547	70	6	63	26	6	546
C. one to two hours	25	2	25	4	50	1	13	1	13	548	25	25	50	13	13	548	24	7	61	26	6	546
D. more than two hours	3	0	0	0	0	1	100	0	0	538	3	0	0	100	0	538	2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	42	1	7	9	64	3	21	1	7	547	42	7	64	21	7	547	36	10	67	18	5	549
B. good	52	2	12	10	59	4	24	1	6	547	52	12	59	24	6	547	47	5	62	27	6	546
C. fair	3	0	0	0	0	1	100	0	0	540	3	0	0	100	0	540	15	2	47	40	12	541
D. poor	3	0	0	0	0	1	100	0	0	540	3	0	0	100	0	540	2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	18	1	17	5	83	0	0	0	0	553	18	17	83	0	0	553	31	9	65	20	5	548
B. They match some of what I have learned.	64	1	5	12	57	6	29	2	10	545	64	5	57	29	10	545	55	5	63	27	5	546
C. They match just a little of what I have learned.	18	1	17	2	33	3	50	0	0	546	18	17	33	50	0	546	10	3	45	38	14	542
D. There is no match.	0										0						3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	18	1	17	1	17	4	67	0	0	546	18	17	17	67	0	546	16	3	49	32	15	542
B. about the same as my regular schoolwork	48	2	13	9	56	5	31	0	0	549	48	13	56	31	0	549	64	7	63	25	5	547
C. easier than my regular schoolwork	33	0	0	9	82	0	0	2	18	544	33	0	82	0	18	544	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	0										0						10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	42	1	7	5	36	8	57	0	0	544	42	7	36	57	0	544	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	58	2	11	14	74	1	5	2	11	549	58	11	74	5	11	549	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	21	2	29	3	43	2	29	0	0	551	21	29	43	29	0	551	20	10	64	21	5	548
B. 20 minutes to an hour	48	1	6	10	63	4	25	1	6	547	48	6	63	25	6	547	56	7	65	24	5	547
C. less than 20 minutes	12	0	0	3	75	1	25	0	0	548	12	0	75	25	0	548	10	3	52	33	12	543
D. I rarely read at home.	18	0	0	3	50	2	33	1	17	541	18	0	50	33	17	541	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	25	1	13	6	75	1	13	0	0	548	25	13	75	13	0	548	25	3	53	33	11	543
B. six to ten pages	31	0	0	5	50	5	50	0	0	545	31	0	50	50	0	545	26	6	61	26	7	546
C. eleven or more pages	44	2	14	8	57	2	14	2	14	547	44	14	57	14	14	547	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	100	0	0	0	0	0	0	1	100	530	100	0	0	0	100	530						
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 38
School: Etna-Dixmont School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	1	3	1	3	1711	12
	2007-2008	1	3	1	3	1617	12
	2008-2009	2	6	2	6	2119	15
	Cum. Total*	4	4	4	4	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	12	36	12	36	6778	48
	2007-2008	16	50	16	50	7284	52
	2008-2009	21	64	21	64	7046	50
	Cum. Total*	49	50	49	50	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	12	36	12	36	3884	28
	2007-2008	11	34	11	34	3341	24
	2008-2009	6	18	6	18	3193	23
	Cum. Total*	29	30	29	30	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	8	24	8	24	1683	12
	2007-2008	4	13	4	13	1778	13
	2008-2009	4	12	4	12	1638	12
	Cum. Total*	16	16	16	16	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	24.8	51.7	24.8	51.7	25.5	53.1
A. Number	18	38	9.8	54.4	9.8	54.4	9.8	54.4
B. Data	10	21	4.7	47.0	4.7	47.0	5.2	52.0
C. Geometry	10	21	4.4	44.0	4.4	44.0	4.7	47.0
D. Algebra	10	21	5.9	59.0	5.9	59.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: MSAD 38
 School: Etna-Dixmont School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	33	2	6	21	64	6	18	4	12	546	33	6	64	18	12	546	13996	15	50	23	12	547
Ethnicity																						
African American/Black	0										0						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	0										0						257	19	50	20	12	548
Hispanic	0										0						166	9	43	31	17	543
Caucasian/White	33	2	6	21	64	6	18	4	12	546	33	6	64	18	12	546	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2307	3	32	32	33	536
No	31	2	6	19	61	6	19	4	13	545	31	6	61	19	13	545	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	33	2	6	21	64	6	18	4	12	546	33	6	64	18	12	546	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	16	1	6	9	56	3	19	3	19	543	16	6	56	19	19	543	5731	7	46	29	18	542
No	17	1	6	12	71	3	18	1	6	548	17	6	71	18	6	548	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	33	2	6	21	64	6	18	4	12	546	33	6	64	18	12	546	13988	15	50	23	12	547
Gender																						
Female	18	0	0	13	72	2	11	3	17	544	18	0	72	11	17	544	6889	14	51	23	12	546
Male	15	2	13	8	53	4	27	1	7	548	15	13	53	27	7	548	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										3						1918	3	39	36	22	539
No	30	2	7	20	67	5	17	3	10	547	30	7	67	17	10	547	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										0						450	64	34	2	0	564
No	33	2	6	21	64	6	18	4	12	546	33	6	64	18	12	546	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 38
School: Etna-Dixmont School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						4	8	38	26	28	539
B. less than one hour	72	1	4	15	65	4	17	3	13	545	72	4	65	17	13	545	70	15	52	23	10	547
C. one to two hours	25	1	13	4	50	2	25	1	13	548	25	13	50	25	13	548	24	15	51	23	11	547
D. more than two hours	3	0	0	1	100	0	0	0	0	552	3	0	100	0	0	552	2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	41	2	15	11	85	0	0	0	0	554	41	15	85	0	0	554	34	28	50	14	8	552
B. good	31	0	0	7	70	2	20	1	10	545	31	0	70	20	10	545	45	11	54	24	10	546
C. fair	22	0	0	3	43	2	29	2	29	535	22	0	43	29	29	535	18	3	45	33	19	540
D. poor	6	0	0	0	0	1	50	1	50	531	6	0	0	50	50	531	3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	21	0	0	7	100	0	0	0	0	552	21	0	100	0	0	552	38	22	52	19	7	550
B. They match some of what I have learned.	55	2	11	10	56	3	17	3	17	546	55	11	56	17	17	546	48	12	53	24	11	546
C. They match just a little of what I have learned.	18	0	0	2	33	3	50	1	17	536	18	0	33	50	17	536	11	6	40	30	24	540
D. There is no match.	6	0	0	2	100	0	0	0	0	554	6	0	100	0	0	554	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	27	0	0	5	56	4	44	0	0	542	27	0	56	44	0	542	17	7	42	30	21	540
B. about the same as my regular schoolwork	55	2	11	10	56	2	11	4	22	546	55	11	56	11	22	546	64	15	53	23	10	547
C. easier than my regular schoolwork	18	0	0	6	100	0	0	0	0	551	18	0	100	0	0	551	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	12	0	0	3	75	0	0	1	25	547	12	0	75	0	25	547	7	6	39	27	27	539
B. 30–45 minutes	21	0	0	5	71	2	29	0	0	548	21	0	71	29	0	548	28	9	49	28	15	544
C. 45–60 minutes	58	2	11	10	53	4	21	3	16	544	58	11	53	21	16	544	41	17	53	21	9	548
D. more than 60 minutes	9	0	0	3	100	0	0	0	0	552	9	0	100	0	0	552	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	0										0						6	14	43	24	20	543
B. two or three days a week	9	0	0	2	67	0	0	1	33	541	9	0	67	0	33	541	24	17	52	21	10	548
C. two or three times each month	9	0	0	3	100	0	0	0	0	549	9	0	100	0	0	549	33	17	52	21	9	548
D. never or almost never	82	2	7	16	59	6	22	3	11	546	82	7	59	22	11	546	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	15	0	0	4	80	1	20	0	0	548	15	0	80	20	0	548	23	13	47	26	15	545
B. two or three days a week	24	0	0	7	88	1	13	0	0	550	24	0	88	13	0	550	31	17	52	21	10	548
C. two or three times each month	30	1	10	6	60	1	10	2	20	544	30	10	60	10	20	544	27	17	52	21	10	548
D. never or almost never	30	1	10	4	40	3	30	2	20	542	30	10	40	30	20	542	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	100	0	0	0	0	0	0	1	100	522	100	0	0	0	100	522						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 38
School: Etna-Dixmont School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	1	3	1	3	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	20	61	20	61	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	10	30	10	30	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	2	6	2	6	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	30.7	64.0	30.7	64.0	29.2	60.8
D. The Physical Setting	24	50	13.4	55.8	13.4	55.8	12.9	53.8
E. The Living Environment	24	50	17.3	72.1	17.3	72.1	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 38
School: Etna-Dixmont School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	33	1	3	20	61	10	30	2	6	546	33	3	61	30	6	546	13995	4	51	31	13	543
Ethnicity																						
African American/Black	0										0						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	0										0						256	5	51	27	17	542
Hispanic	0										0						167	1	40	37	22	539
Caucasian/White	33	1	3	20	61	10	30	2	6	546	33	3	61	30	6	546	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	2										2						2309	2	29	39	29	536
No	31	1	3	19	61	9	29	2	6	546	31	3	61	29	6	546	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	33	1	3	20	61	10	30	2	6	546	33	3	61	30	6	546	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	16	0	0	11	69	4	25	1	6	547	16	0	69	25	6	547	5729	2	42	37	20	539
No	17	1	6	9	53	6	35	1	6	545	17	6	53	35	6	545	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	33	1	3	20	61	10	30	2	6	546	33	3	61	30	6	546	13987	4	51	31	13	543
Gender																						
Female	18	0	0	11	61	6	33	1	6	545	18	0	61	33	6	545	6886	4	49	33	14	542
Male	15	1	7	9	60	4	27	1	7	546	15	7	60	27	7	546	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										3						1917	1	31	41	28	536
No	30	1	3	18	60	9	30	2	7	546	30	3	60	30	7	546	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										0						450	25	72	2	1	557
No	33	1	3	20	61	10	30	2	6	546	33	3	61	30	6	546	13545	4	51	32	13	543

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: MSAD 38

School: Etna-Dixmont School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						4	2	37	35	25	538
B. less than one hour	72	0	0	15	65	7	30	1	4	546	72	0	65	30	4	546	70	4	53	31	12	544
C. one to two hours	25	1	13	4	50	2	25	1	13	547	25	13	50	25	13	547	24	5	51	31	12	544
D. more than two hours	3	0	0	1	100	0	0	0	0	542	3	0	100	0	0	542	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	24	0	0	7	88	1	13	0	0	552	24	0	88	13	0	552	26	7	56	26	11	545
B. good	67	1	5	11	50	8	36	2	9	544	67	5	50	36	9	544	53	4	53	31	11	544
C. fair	6	0	0	1	50	1	50	0	0	544	6	0	50	50	0	544	18	2	41	39	17	540
D. poor	3	0	0	1	100	0	0	0	0	542	3	0	100	0	0	542	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	15	0	0	3	60	2	40	0	0	547	15	0	60	40	0	547	23	5	56	28	11	544
B. They match some of what I have learned.	39	1	8	8	62	3	23	1	8	547	39	8	62	23	8	547	48	5	52	31	12	544
C. They match just a little of what I have learned.	30	0	0	6	60	3	30	1	10	545	30	0	60	30	10	545	23	4	49	33	14	543
D. There is no match.	15	0	0	3	60	2	40	0	0	542	15	0	60	40	0	542	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	13	0	0	2	50	2	50	0	0	545	13	0	50	50	0	545	23	5	48	31	16	543
B. about the same as my regular schoolwork	60	0	0	14	78	4	22	0	0	548	60	0	78	22	0	548	58	4	52	32	12	543
C. easier than my regular schoolwork	27	0	0	4	50	3	38	1	13	543	27	0	50	38	13	543	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	12	0	0	3	75	1	25	0	0	544	12	0	75	25	0	544	33	5	51	31	14	543
B. a few times a week	36	0	0	8	67	3	25	1	8	547	36	0	67	25	8	547	45	4	52	32	11	544
C. once a week	18	1	17	2	33	3	50	0	0	547	18	17	33	50	0	547	8	4	50	30	16	542
D. a few times a month	33	0	0	7	64	3	27	1	9	544	33	0	64	27	9	544	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	16	0	0	4	80	1	20	0	0	548	16	0	80	20	0	548	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	28	0	0	4	44	4	44	1	11	540	28	0	44	44	11	540	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	28	0	0	6	67	3	33	0	0	547	28	0	67	33	0	547	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	28	1	11	5	56	2	22	1	11	548	28	11	56	22	11	548	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	27	1	11	4	44	3	33	1	11	543	27	11	44	33	11	543	47	4	51	32	12	543
B. a few times a month	24	0	0	6	75	2	25	0	0	548	24	0	75	25	0	548	27	5	54	30	11	544
C. once a month	12	0	0	4	100	0	0	0	0	555	12	0	100	0	0	555	10	5	49	30	15	543
D. never or almost never	36	0	0	6	50	5	42	1	8	543	36	0	50	42	8	543	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	19	1	17	3	50	1	17	1	17	548	19	17	50	17	17	548	46	4	52	32	12	543
B. a few times a month	34	0	0	5	45	6	55	0	0	544	34	0	45	55	0	544	28	5	53	30	12	544
C. once a month	9	0	0	3	100	0	0	0	0	555	9	0	100	0	0	555	11	4	47	34	15	542
D. never or almost never	38	0	0	8	67	3	25	1	8	543	38	0	67	25	8	543	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	100	0	0	0	0	0	0	1	100	518	100	0	0	0	100	518						
D.	0										0											

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N = Number